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(71) Applicant: MIXED REALITY SYSTEMS  
LABORATORY INC

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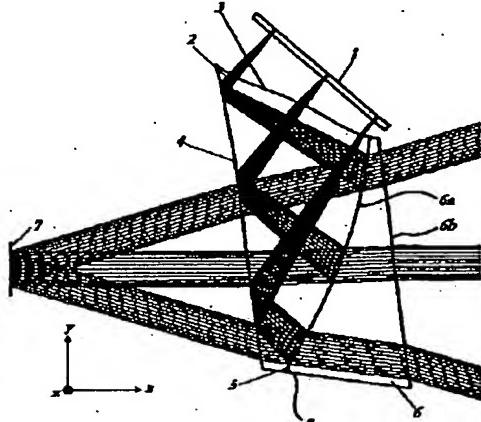
(72) Inventor: YAMAZAKI SHOICHI

(54) PICTURE DISPLAY DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a picture display device with excellently compensated eccentric chromatic aberration, made very thin and using a non-adjusted optical system.

SOLUTION: In a prism which is provided with three or more optical surfaces including an optical surface made eccentric and having curvature and which has positive refractive power, a diffraction surface having rotationally asymmetric phase distribution is included on the optical surface, or the diffraction surface having rotationally symmetric phase distribution on a surface where refractive power is different according to an azimuth angle is included on the optical surface.



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